Name:

Date:

Ms. Raskin gave the second test to her Statistics class, and the scores were as follows:

90 90 95 100 80 80 75 80 70 60 95 100 100

100 75 80 90 90 90 70 70 80 85 90 90 85

Mean = 85 Standard Deviation = 10.77

What score would be 1 standard deviation above the mean? (Do not round.)

What score would be 1 standard deviation below the mean? (Do not round.)

**How many** students scored between the two scores above (+ or – 1 standard deviation away from the mean)?

**What percent** of students scored + or – 1 standard deviation away from the mean?

What score would be 2 standard deviations above the mean? (Do not round.)

What score would be 2 standard deviations below the mean? (Do not round.)

**How many** students scored between the two scores above (+ or – 2 standard deviations away from the mean)?

**What percent** of students scored + or – 2 standard deviations away from the mean?

What score would be 3 standard deviations above the mean? (Do not round.)

What score would be 3 standard deviations below the mean? (Do not round.)

**How many** students scored between the two scores above (+ or – 3 standard deviations away from the mean)?

**What percent** of students scored + or – 3 standard deviations away from the mean?

Remember back to the previous worksheet in which the test had a mean of 79.46 and a standard deviation of 5.43.

Daniel got an 80% on each test. On which test did he do better **relative to his peers**?